

What is claimed is:

1. A toner for developing electrostatic latent images comprising a colored resin particle containing a binder resin, a colorant and a parting agent, and an external additive, wherein a volume average particle diameter (D_v) is 4 to $10\mu\text{m}$ and an average circularity is in the range of 0.93 to 0.995;

an arithmetic average roughness R_a of a surface of the toner is in the range of 0.05 to $0.3\mu\text{m}$;

a 10-point average roughness of the surface of the toner is in the range of 0.5 to $2.5\mu\text{m}$;

an angle of repose is in the range of 10 to 35° ; and

a transformation ratio of the toner applied with a pressure of 1mN/mm^2 for 5 seconds by means of a microcompression tester is 20% or less.

2. The toner for developing electrostatic latent image according to claim 1,

wherein an absolute zeta potential (E_1) of the toner after allowed to stand for 24 hours at a condition of 23°C and a humidity of 50% is in the range of 0 to 40mV, and

a difference between an absolute zeta potential (E_2) of the toner after allowed to stand for 2 weeks at a condition of 50°C and a humidity of 80% and E_1 is smaller than 5mV.

3. The toner for developing electrostatic latent images

according to claim 1,

wherein the parting agent is a multifunctional ester compound having a hydroxy value (a) from 0.01 to 3mgKOH/g, and a product (a×b) of the hydroxy value (a) (unit: mgKOH/g) and an addition amount (b) (unit: parts by weight) of the parting agent per 100 parts by weight of the binder resin is 0.05 to smaller than 40.

4. The toner for developing electrostatic latent image according to claim 1,

wherein a glass transition temperature is 50 to lower than 70°C.

5. The toner for developing electrostatic latent image according to claim 1,

wherein said parting agent is a multifunctional ester compound having an acid value of 10mgKOH/g or less.

6. The toner for developing electrostatic latent image according to claim 1,

wherein said parting agent is a multifunctional ester compound soluble in 100 parts by weight of styrene at 25°C in an amount of 5 parts by weight or more.

7. The toner for developing electrostatic latent image according to claim 1,

wherein the colored resin particle further contains

a charge control agent.

8. The toner for developing electrostatic latent image according to claim 7,

5 wherein the charge control agent contains a charge control resin.

9. The toner for developing electrostatic latent image according to claim 8,

10 wherein the charge control resin has a glass transition temperature in the range of 40 to 80°C.

10. The toner for developing electrostatic latent image according to claim 1,

15 wherein a volume average particle diameter (Dv) is in the range of 5 to 8µm.

11. The toner for developing electrostatic latent image according to claim 1,

20 wherein an average circularity is in the range of 0.95 to 0.995.

12. The toner for developing electrostatic latent image according to claim 1,

25 wherein a ratio (Dv/Dp) of a volume average particle diameter (Dv) to a number average particle diameter (Dp) is in the range of 1.0 to 1.3.

13. The toner for developing electrostatic latent image according to claim 1,

wherein the external additive contains silica fine particle (A) having a primary volume average particle diameter in the range of 5 to 18nm.

14. The toner for developing electrostatic latent image according to claim 13,

wherein the external additive further contains organic fine particle or inorganic fine particle having a primary volume average particle diameter in the range of 0.1 to 1 μ m.

15. The toner for developing electrostatic latent image according to claim 14,

wherein the external additive further contains silica fine particle (B) having a primary volume average particle diameter in the range of 20 to 60nm.

16. The toner for developing electrostatic latent image according to claim 13,

wherein an addition amount of the silica fine particle (A) is 0.1 to 3 parts by weight per 100 parts by weight of the colored resin particle.

17. The toner for developing electrostatic latent image according to claim 15,

wherein an addition amount of the silica fine particle (B) is 0.1 to 2 parts by weight per 100 parts by weight of colored resin particle.

- 5 18. The toner for developing electrostatic latent image according to claim 1,

wherein the colored resin particle is produced by a polymerization reaction.